The Role of Clinical Significance in Outcome Evaluation

Why Outcomes (Jacobs, 2003: Ogles, Lambert & Fields, 2003) Demonstrate efficacy Ethical responsibility Securing funding Evaluate current practices Agency level goal attainment Re-evaluate service provision/selection criteria

□ Training and personnel decisions





Early Conceptualizations of Clinical Significance (McGinchey, Atkins, Jacobson, 2002; Ogles, Lumen & Bonesteel, 2001) Large portion of clients improving A change which is large in magnitude An improvement in everyday functioning Elimination of presenting problems Attained level of functioning cannot be discerned from non-deviant peers Reliable change and recovery

(Jacobson & Truax, 1991)







3) Compute cutoff Reliable ≥ 1.96 * 2 (SE)² Change

Reliable Change (Ogles, Lambert, & Fields, 2002)		
Scale	Reliable Change Index	
Beck Depression Inventory	9	
Ohio Scales – Parent	10	
Problem Severity		
Child Behavior Checklist	9	
Total Problem		





(Ogles, Lambert, & Fields, 2002)	
Scale	Cutoff
Beck Depression Inventory	13
Ohio Scales – Parent	25
Problem Severity	
Child Behavior Checklist	42
Total Problem	



Clinical Example 1				
Sample Characteristics				
Sample Size	101			
Primary Diagnosis	Disruptive Behavioral Adjustment Disorder			
Gender	76.9 % Male			
Age	11.84 (3.63)			
OS-A Functioning Time 1	44.50 (11.26)			
OS-A Functioning Time 2	48.57 (12.86)			
Change in Functioning	4.07 (12.07)			













Clinical Example 2				
Sample Characteristics				
Sample Size Primary Diagnosis Gender Age OS-A Functioning Time 1 OS-A Functioning Time 2 Change in Functioning	28 PTSD Female 11.52 (3.63) 47.61 (10.13) 52.14 (12.69) 4.54 (12.08)			













Individual Clients				
	Client A	Client B		
Intake	37	42		
2 – weeks	42	38		
4 – weeks	44	36		
6 – weeks	52	40		
8 – weeks	54	48		
12- weeks	62	52		
Termination	60	54		



Usefulness of Clinical Significance

Provides clinically meaningful data

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- Allows for individual and small group analysis
- Allows for preliminary investigations of negative/positive change factors



References McGlichney, J. B., Atkins, D. C., & Jacobson N. S. (2002). Clinical Significance methods: Which one to use and how useful are they? Behavior Therapy, 33, 529-550. Ogles, B. M., Lambert, M. J., & Fields, S. A. (2002). Essentials of Outcome Assessment.New York, NY: John Wiley and Sons, Inc. Ogles, B. M., Lunnen, K. M., & Bonesteel, K. (2001). Clinical significance: History, application, and current practice. Clinical Psychology Review, 21, 421-446. Special Editions: Journal of Consulting and Clinical Psychology (1999) Clinical Psychology: Research and Practice (2001)